



Missouri State Fleet Efficiency and Alternative Fuel Program

August 2016

Division of Energy

Program Objectives:

- Increase the average fuel efficiency of the state fleet
- Encourage the use of cleaner alternative transportation fuels in state vehicles

Program Requirements:

- Annually increasing average fleet fuel economy based on CAFE standards for new acquisition vehicles (passenger cars and light-duty trucks)
- 70% of new vehicle acquisitions must be alternative fuel vehicles
- 30% of fuel used in alternative fuel vehicles must be the alternative fuel

Average Fleet Fuel Economy FY2015:

	FY2014 Actual (mpg)	FY2015 CAFE Requirement (mpg)	FY2015 Actual (mpg)
Passenger Cars	40.4	33.3	39.1
Light-Duty Trucks	30.0	23.9	31.0

FY2015 Vehicles Operated:

Table 3 : FY 2015 Number of Vehicles Operated

Vehicle Type	Eligible Vehicles	Exempt Vehicles	All State Vehicles
Gasoline	1,625	4,205	5,830
Diesel	28	2,389	2,417
Alternative Fuel	2,353	1,653	4,006
Total	4,006	8,247	12,253

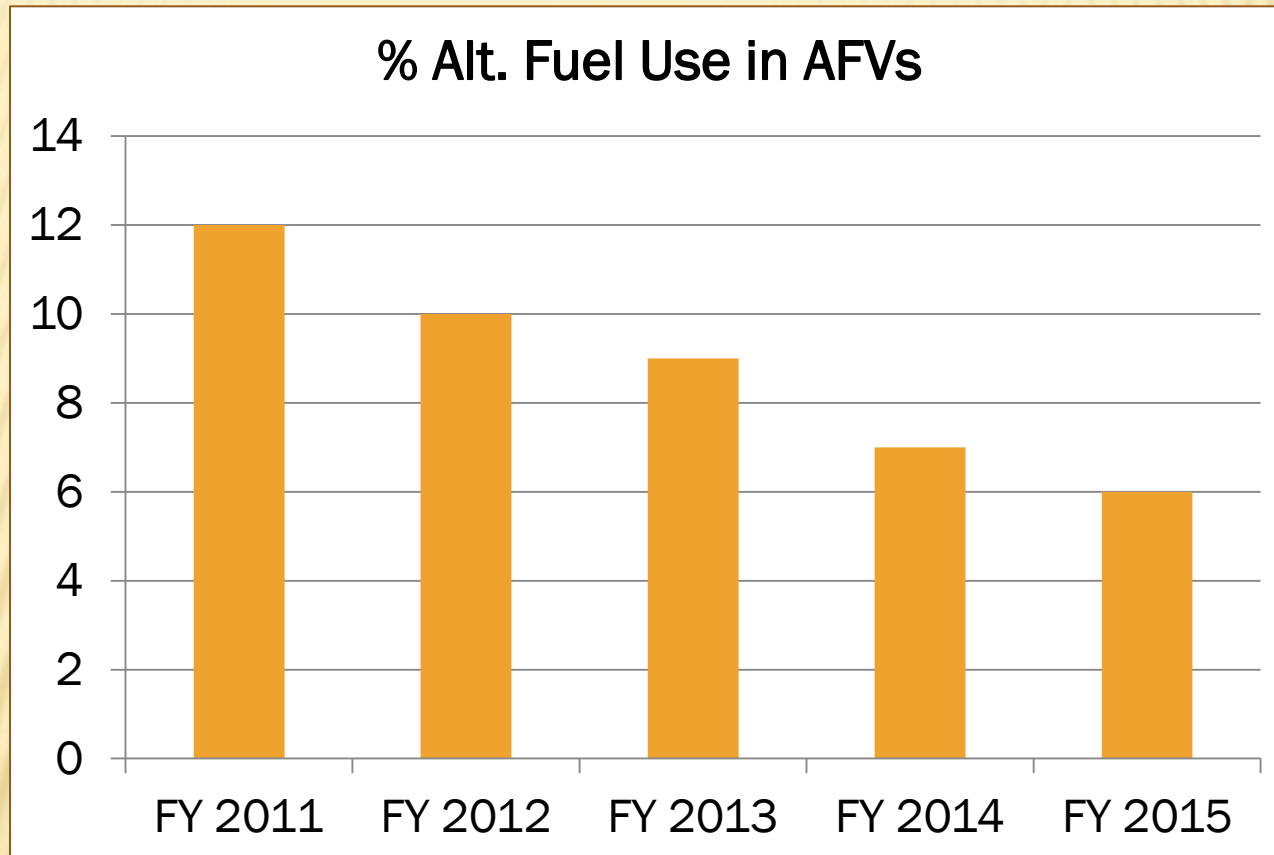
FY2015 Fuel Consumption:

Table 1 : FY 2015 Fuel Consumption

Fuel Type	Eligible Vehicles	Exempt Vehicles	All State Vehicles
Gasoline (gallons)	2,035,501	5,760,233	7,795,734
Diesel (gallons)	13,064	3,233,229	3,246,293
Alternative Fuel (gge*) Note: Biodiesel is included as B100	85,381	282,249	367,630

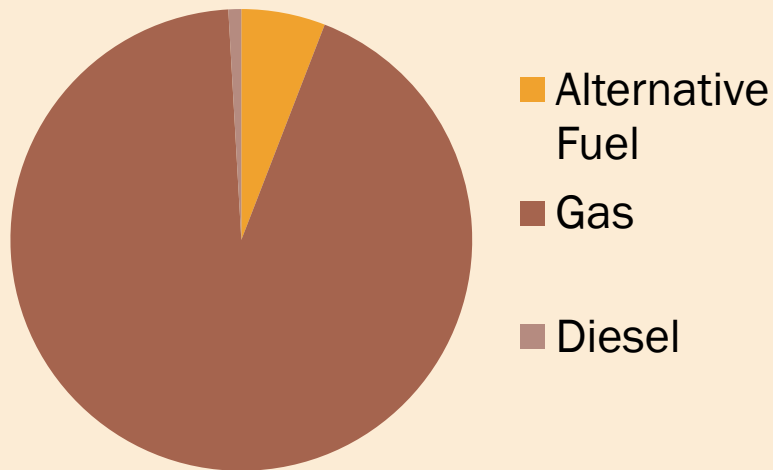
*gge stands for gasoline gallon equivalent and is based on energy content

Percent Alt. Fuel Use in AFVs:

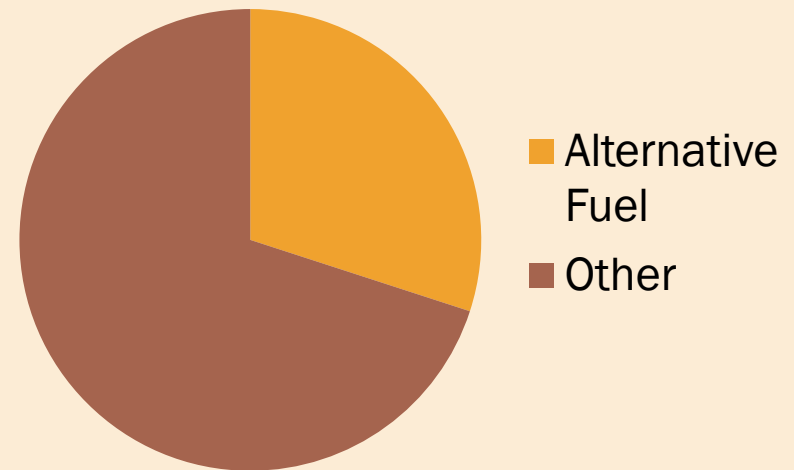


FY2015 Fuel Consumption vs. Statute:

**FY 2015 Fuel
Consumption in Gal/GGE
(Eligible AFVs only)**

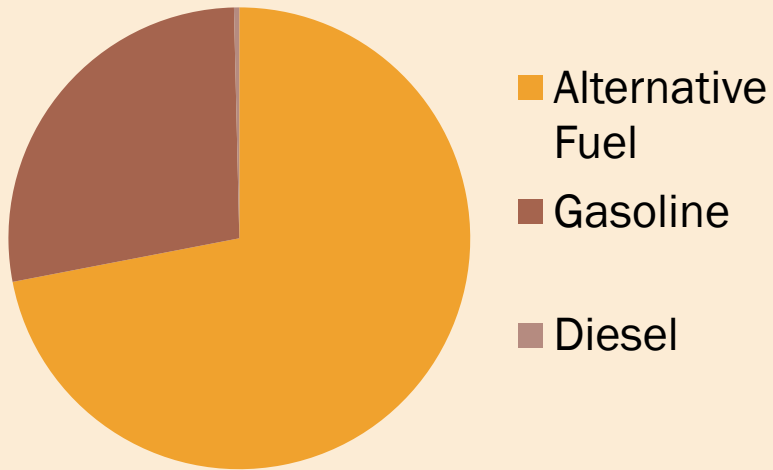


**Statute Requirement for
Eligible Alternative Fuel
Vehicles**

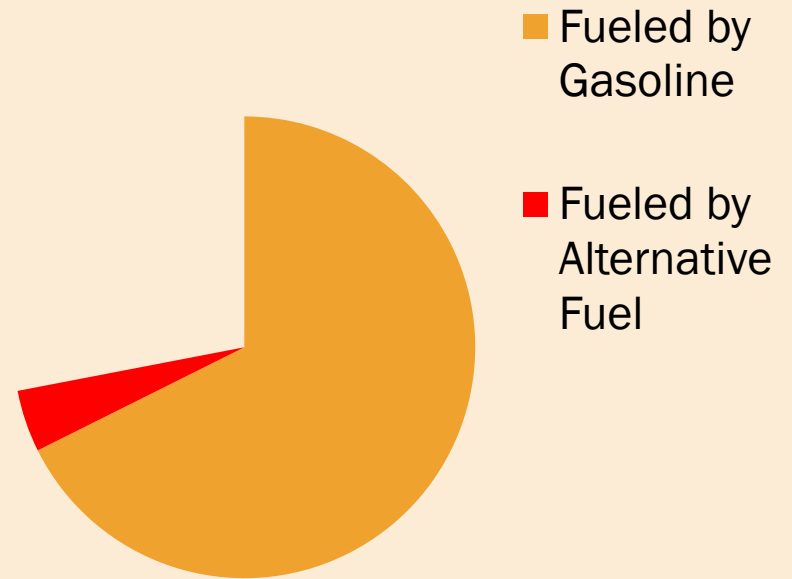


FY2015 Miles Traveled:

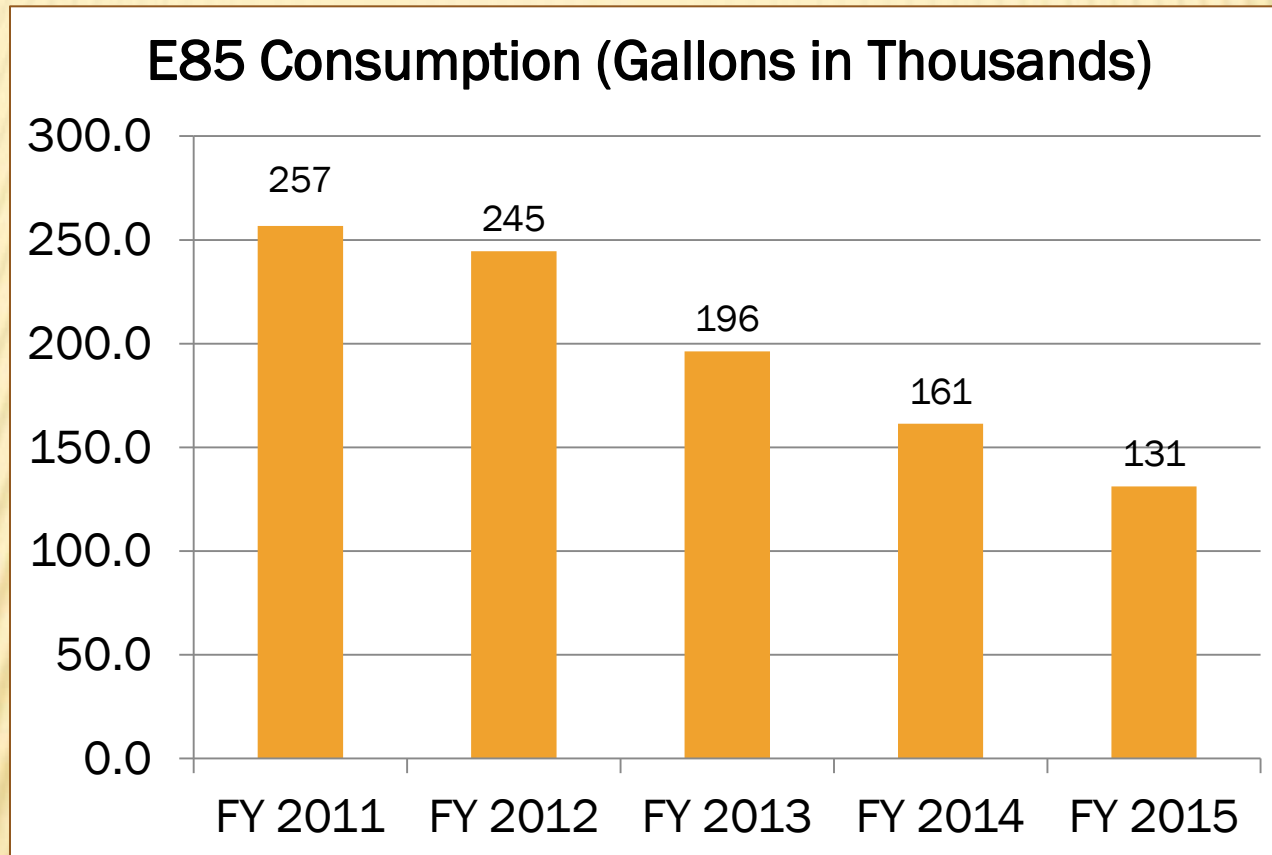
**FY 2015 Miles Traveled
(All eligible vehicles)**



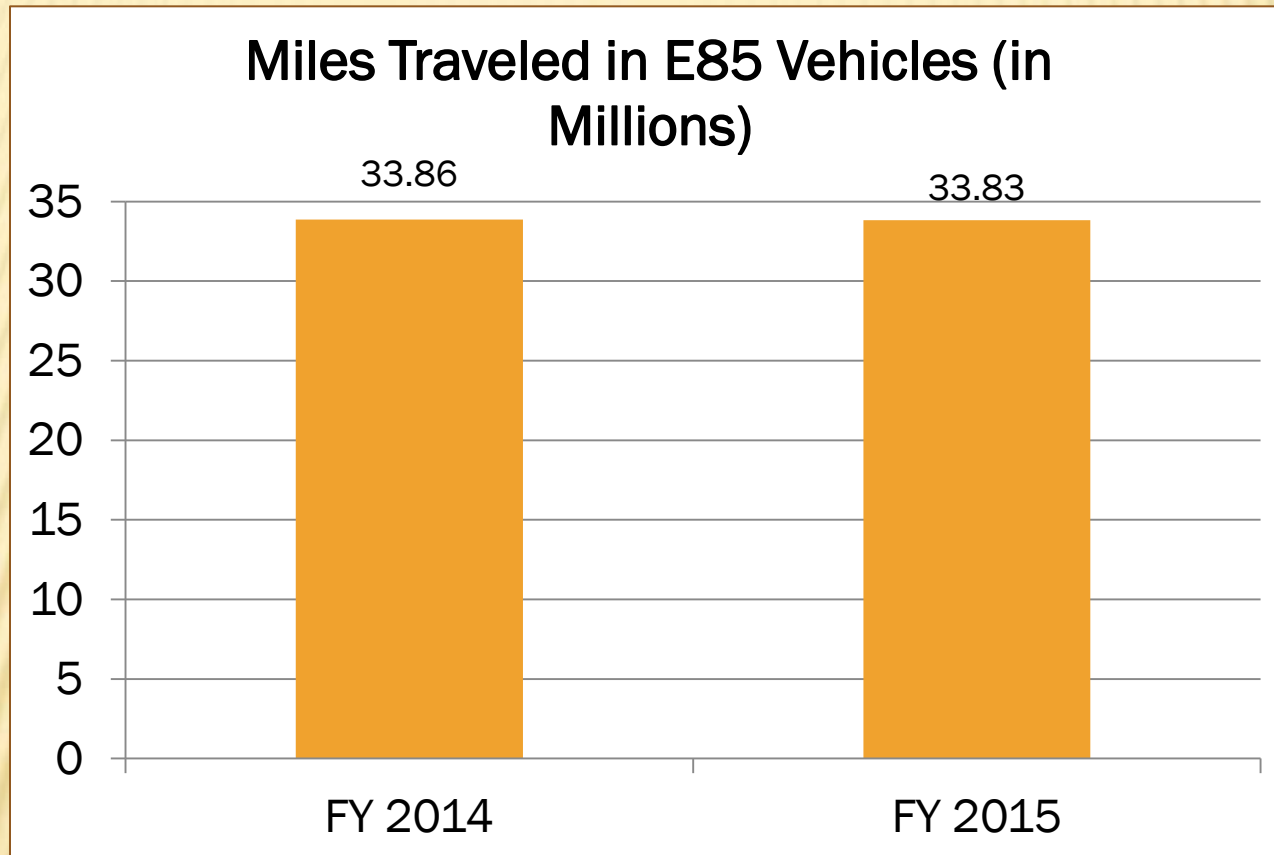
**FY 2015 Miles Traveled
(Alt. Fuel Vehicles)**



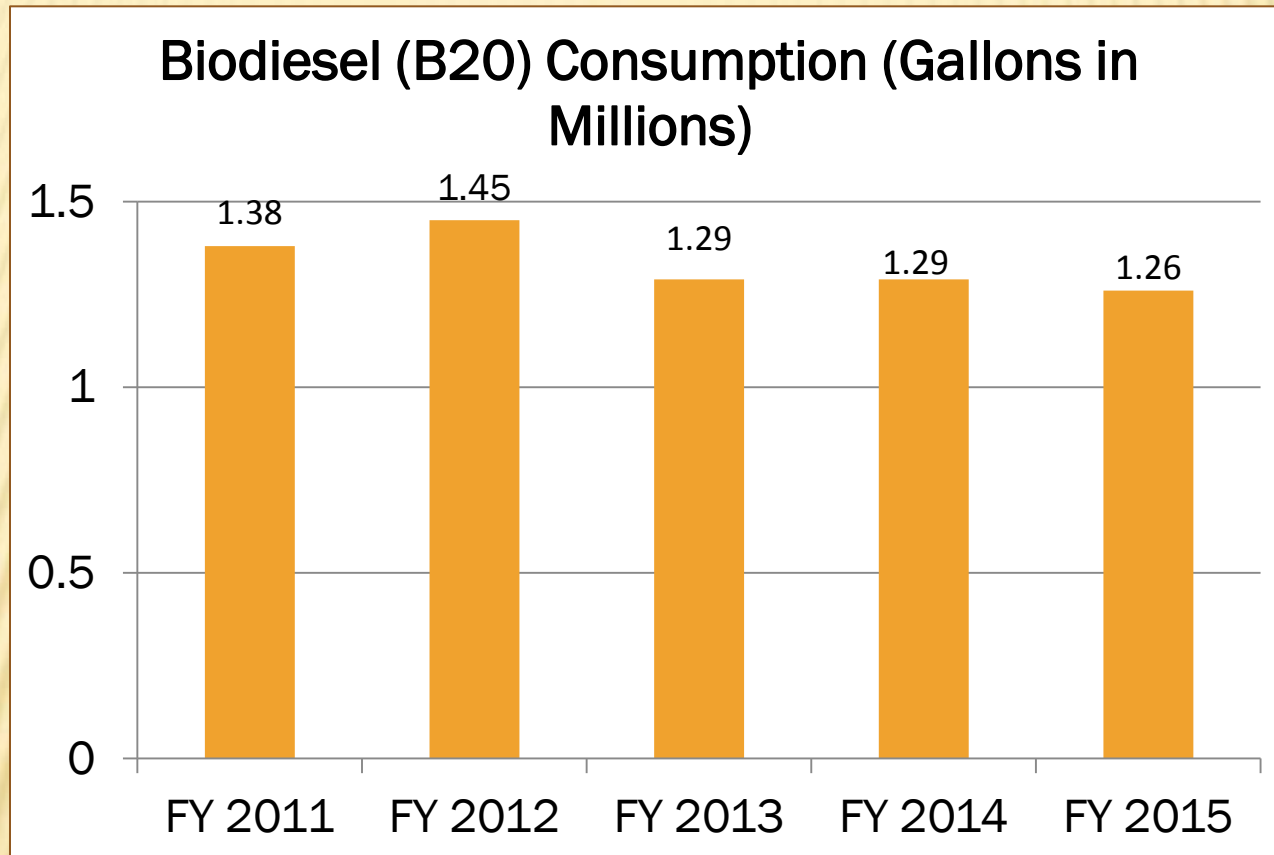
Ethanol 85 Used in E-85 Vehicles:



Miles Traveled in E-85 Vehicles:



Biodiesel (B20) Used in Diesel Vehicles:



FY2015 Fuel Costs:

Table 2 : FY 2015 Fuel Cost

Fuel Type	Eligible Vehicles	Exempt Vehicles	All State Vehicles
Gasoline (gallons)	\$5,066,059	\$14,248,442	\$19,314,501
Diesel (gallons)	\$37,038	\$8,321,562	\$8,358,600
Alternative Fuel (gge)	\$269,300	\$799,282	\$1,068,582
Total	\$5,372,397	\$23,369,286	\$28,741,683

Expectations for the Future:

- CAFE Standards for New Acquisition Vehicles
 - Model Year 2016
 - Light Duty Trucks – 24.7 mpg
 - Passenger Cars – 34.7 mpg
 - Model Year 2017
 - Light Duty Trucks – 25.1 mpg
 - Passenger Cars – 36.7 mpg
- 70% of new vehicle acquisitions must be alternative fuel vehicles
- 30% of fuel used in alternative fuel vehicles must be the alternative fuel

For More Information:

- Alternative Fuels Data Center
<http://www.afdc.energy.gov/>
- U.S. Department of Energy
<https://www.fueleconomy.gov/>
- Missouri Division of Energy
<https://energy.mo.gov/energy/services/missouri-state-fleet-efficiency-and-alternative-fuels-program>

QUESTIONS?



Department of Economic Development

Missouri State Fleet Efficiency and Alternative Fuel Program

For More Information Contact

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